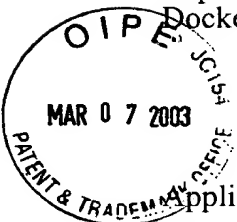


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Docket No. 00SC048US7

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Higgins

Examiner: Benny T. Lee

Serial No. 09/676,142

Art Unit: 2817

Filing Date: September 29, 2000

For: PHASE SHIFTING WAVEGUIDE AND MODULE UTILIZING THE  
WAVEGUIDE FOR BEAM PHASE SHIFTING AND STEERING

Assistant Commissioner for Patents  
Washington, D.C. 20231

AMENDMENT TRANSMITTAL

Sir:

Transmitted herewith is an Amendment for the Office Action dated January 16, 2003,  
along with 9 sheets of drawings.

The Commissioner is authorized to charge Deposit Account No. 18-1750 the amount  
of \$168.00 reflecting two additional independent claims. If any additional fee is required,  
charge Deposit Account No. 17-1850. A duplicate of this transmittal is attached.

March 7, 2003

Respectfully submitted,

Jaye G. Heybl  
Registration No. 42,661  
Attorney for Applicant

KOPPEL, JACOBS, PATRICK & HEYBL  
555 St. Charles Drive, Suite 107  
Thousand Oaks, California, 91360  
Telephone: (805) 373-0060  
MJ3-00SC048US7Transmittal

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States  
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PATENT

Docket No. 00SC048US7

13/B A-1  
Drawing  
G. Stanley  
2-18-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Higgins

Serial No.: 09/676,142

Examiner: Benny T. Lee

Filed: September 29, 2000

Art Unit: 2817

Title: PHASE SHIFTING WAVEGUIDE AND MODULE UTILIZING THE WAVEGUIDE FOR BEAM PHASE SHIFTING AND STEERING

Assistant Commissioner for Patents  
Washington, D.C. 20231

Approved for Entry  
R

AMENDMENT

Sir:

In response to the Office Action dated January 16, 2003, kindly amend the above application as follows:

Drawings

Attached is a drawing sheet 5/9 with a redlined FIG. 5 and unmodified FIG. 8. Also attached are formal FIGs. 1-4 and 6, 7, 9-14 to be substituted with the informal drawing filed with this application on September 29, 2000.

Specification

Replace the paragraph on page 3, lines 20-33, with the following:

A second impedance structure has been developed that is particularly applicable to the sidewalls and/or top and bottom walls of metal rectangular waveguides. Kim et al., A Rectangular TEM Waveguide with Photonic Crystal Walls for Excitation of Quasi-Optic Amplifiers, (1999) IEEE MTT-S, Archived on CDROM. Either two or four of the waveguide's walls can have this structure, depending upon

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